

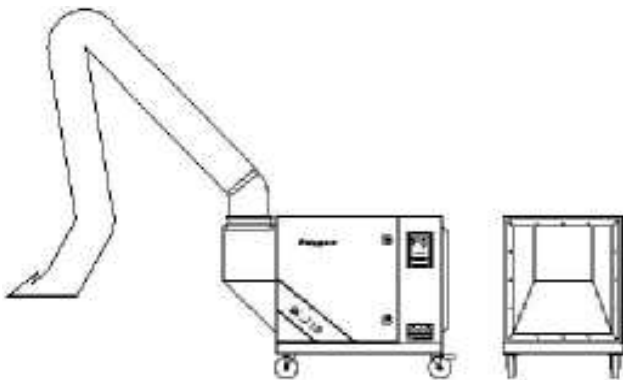
BG750 Fume Extractor/Purifier

Mobile & Fixed



Polygee's BG750 Fume Extractor is a professionally designed and well produced filtration/purification unit, which requires "no filtration media replacement". The extractor features tri-step filtration/purification, first a metal mesh pre-filtrating the big size contamination; second a master purification unit ionizing and collecting micro-particles with minimum size 0.01 μ M and the max efficiency 99.9%; third an active carbon filtration as the odor-eliminator. Air flow are sucked by the single-Phase turbo fan built-in.

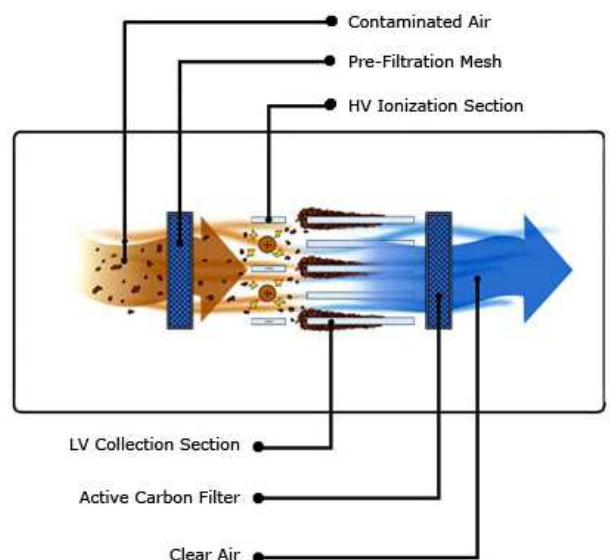
Casings are constructed of high-quality mild steel and powder-coated (custom colors available). A high-quality fan is rationally combined, 6-foot/10-foot flexible extraction arms are available. The BG750 also includes the motor, circuit-breaker, motor cut-out, electric parts and 18 feet of cable with plug.



BG750 is perfect for extracting fumes, welding, gases, and light, dry dusts. Applications includes chemical, pharmacy, metal-processing and other contaminating area. The mobile BG750 with four solid casters is easy to move, repair and other temporary work around the shop or to bring with on service. While the wall or giant machine mounted BG750 is easy to install and fix on the wall or frame, custom designs according to different working situations and applications are available.

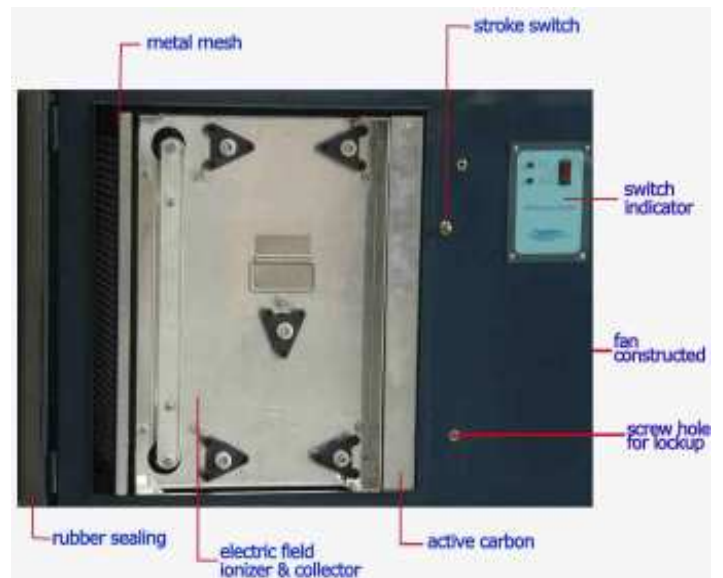
■ How BG750 Works

Contaminated air is drawn by the motor/blower through a washable metal mesh pre-filter, which traps large dust particles. The remaining particles, some as small as 0.01 microns, pass into a strong electrical field (12.5kv-13kv) (ionizing section) where the particulate receives an electrical charge. The charged particles then pass into a collector plate section made up of a series of equally spaced parallel plates. Each alternate plate is charged with the same polarity (6kv-7kv) (collecting section) as the particles, which repel, while the interleaving plates are grounded, which attract and collect the contaminants. The contaminants are held in these plates until they are washed away. Electronic Air Cleaners traps both wet and dry particulates.



■ Specification

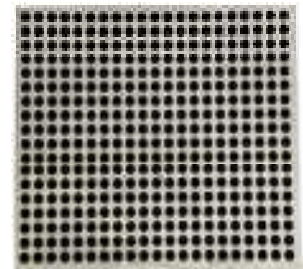
Dimension:	750 * 1000 * 900 MM
Weight:	120KGS
Casings:	1.8MM Steel / Powder-Coated
Noise:	70db
Input Voltage:	220V/AC 50-60HZ
Static Power:	50W
Fan Power:	750W
Air Flow:	1200CMH
Capacity:	Min particle 0.01 μ M
Efficiency	Up to 99.9%



■ 1st Prefiltration mesh capturing the particles of big size, coordinating air flow to one direction



■ 2nd Electric field combining ionizer(12kv) & collector (6kv), collecting particles with min size 0.01 μ m.



■ 3rd Active carbon, eliminating odors consisted of SO₂ O₃ and other harmful contents

■ Flexible Arm



■ BG750 flexible arm with folding hose and inner supporter is the best match to the purification body. The arm can be both stationed to the mobile BG750 and mounted purifier connected with flange and bracket.

■ PVC & Nylon hoses are available, according to various applications, optional materials are offered.

■ Inner supporter is made of Stainless steel, including the bar, damp springs and joints.

■ Metal Hood supported by inner bar end can be maneuvered, hose is tightened to hood mouth by metal clamps, another end of hose is connected to the flange and sealed by rubber strip.

■ Diameter and length

150 mm (D) * 6.5 feet (L) / 150 mm (D) * 10 feet (L)
200 mm (D) * 6.5 feet (L) / 200 mm (D) * 10 feet (L)

*Customer size available